

APPENDIX I
MARKED-UP VERSION OF REWRITTEN CLAIMS
PURSUANT TO 37 CFR § 1.121 (c)(1)(ii)

12. (Amended) An isolated nucleic acid sequence encoding a [CENP-E] centromere-associated protein E gene product, said sequence encoding a protein having a plus-end directed core motor domain that has greater than [70%] 80% amino acid sequence identity to a *Xenopus* centromere-associated protein E [CENP-E (XCENP-E)] core motor domain [as measured using a sequence comparison algorithm,] comprising amino acid residues 1-324 of SEQ ID NO:1[, and specifically binding to antibodies raised against CENP-E].
13. (Amended) [An] The isolated nucleic acid sequence of claim 12, wherein [the] said sequence has a nucleotide sequence of SEQ ID NO:2.
15. (Amended) [An] The isolated nucleic acid sequence of claim 12, wherein [the] said sequence encodes a protein having an average molecular weight of about 300-350 kDa.